



**UNITED STATES DEPARTMENT OF COMMERCE  
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/217,873      12/21/98      RAPAICH      M      450.221US1

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EXAMINER

NATNAEL, P

ART UNIT	PAPER NUMBER
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2714

DATE MAILED:

03/01/00

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

# Office Action Summary

Application No.  
09/217,873

Applicant(s)  
Mark Rapaich

Examiner  
Paulos Natnael

Group Art Unit  
2714



☐ Responsive to communication(s) filed on \_\_\_\_\_

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claims

☒ Claim(s) 1-11 is/are pending in the application.

Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

☐ Claim(s) \_\_\_\_\_ is/are allowed.

☒ Claim(s) 1-11 is/are rejected.

☐ Claim(s) \_\_\_\_\_ is/are objected to.

☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been  
☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

☐ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 3

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Art Unit: 2714

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims **1-10** are rejected under 35 U.S.C. 102(b) as being anticipated by Hannah, U.S. Pat. 5,568,192.

In claim **1**, Hannah discloses the following claimed subject matter;

a) the claimed video source capable of providing a digital YUV video signal is met by item 401, figs. 4/5.

B) the claimed video output capable of connecting to a video display device is met by item 421, fig.6;

C) the claimed digital processor employing a corrective algorithm that corrects the digital YUV signal provided by the video source and provides a corrected signal to the video output is met by item 430, fig. 6. (See col. 4, lines 34-36; col. 6, lines 27-67; col.9, lines 5-67)

In claim **2**, the claimed where the correction is selected from the group consisting of gamma, color saturation, tint, brightness, and contrast corrections, is met by items 430 and 426 (see col. 5, lines 53-59);

Art Unit: 2714

In claim 3, the claimed software module for user configuration of the digital processor that corrects the digital YUV signal is met by item LUT in Main Memory 426, fig. 6; (see also Table 1).

In claim 4, the claimed video source is met by 401, digital video camera, figs. 4 and 5.

In claim 5, the claimed wherein the digital YUV video signal is encoded with a correction factor that is compensated for in applying the corrective algorithm tot the digital YUV signal is met by the disclosure on col. 6, lines 12-15. 12 - 24

Claims 6-10 are method or process claims of claims 1-5, respectively, thus claims 6-10 are rejected for the same reasons as claims 1-5.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

3. Claims 1-4, and 6-9 are rejected under 35 U.S.C. 102(e) as being anticipated by

**Anderson et al., U.S. Pat. 6,028,611.**

In claim 1, Anderson discloses the following claimed subject matter;

a) the claimed video source capable of providing a digital YUV video signal is met by item 114, fig. 1.

B) the claimed video output capable of connecting to a video display device is met by item 116, fig.1;

Art Unit: 2714

C) the claimed digital processor employing a corrective algorithm that corrects the digital YUV signal provided by the video source and provides a corrected signal to the video output is met by item 118, fig. 1.

In claim 2, the claimed where the correction is selected from the group consisting of gamma, color saturation, tint, brightness, and contrast corrections, is met by item 500, fig. 7;

In claim 3, the claimed software module for user configuration of the digital processor that corrects the digital YUV signal is met by item 500, fig.1; (see also col.5, lines 28-32)

In claim 4, the claimed video source is met by 114, figs. 1 and 2.

Claims 6-9 are method or process claims of claims 1-4, respectively, thus claims 6-9 are rejected for the same reasons as claims 1-4.

4. Claims 1,2,4,6,7, and 9 are rejected under 35 U.S.C. 102(e) as being anticipated by **Eglit et al., U.S. Pat. 5734,362.**

In claim 1, Eglit discloses the following claimed subject matter;

- a) the claimed video source is met by item 8 and 12, fig. 2;
- b) the claimed video output capable of connecting to a video display device is met by item 40, fig.2;
- c) the claimed processor that corrects the digital YUV signal provided by the video source and provides a corrected signal to the video output is met by item 30, fig. 2.

Art Unit: 2714

In claim 2, the claimed where the correction is selected from the group consisting of gamma, color saturation, tint, brightness, and contrast corrections, is met by items 34 and 36, fig. 2;

In claim 4, the claimed video source is met by 8, fig. 2.

Claims 6,7,9 are method or process claims of claims 1,2 and 4, respectively, thus claims 6,7 and 9 are rejected for the same reasons as claims 1,2 and 4.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Eglit, U.S. Pat. No. 5,734,362.

Considering claim 11, Eglit discloses the following claimed subject matter;

- a) the claimed processor is met by item 8, fig.2;
- b) the claimed bus.
- c) the claimed main memory is met by item 12, fig.2;
- d) the claimed system controller is met by item 22, fig.2
- e) the claimed graphics controller is met by item 24, fig.2;

Art Unit: 2714

- f) the claimed video source is met by item 8 and 12, fig. 2;
- g) the claimed video output capable of connecting to a video display device is met by item 40, fig.2;
- h) the claimed processor that corrects the digital YUV signal provided by the video source and provides a corrected signal to the video output is met by item 30, fig. 2.

Expect for;

- b) the claimed bus.

Regarding b), Eglit doesn't disclose a bus system, however would have been obvious to include in the reference given that the invention is "provided in the context of Super Video Graphics Array (SVGA) graphics controller card built according to the Video Graphics Array (VGA) standard to enable host computer to provide graphic presentation of dat on an LCD display." (See col. 4, lines 12-15). Generally, SVGA or VGA graphics controller cards are well known in the art to use a bus system and hook to a PCI or similar bus or interface.

Therefore, it would have been obvious to those skilled in the art at the time the invention was made to readily recognize that a bus system would have been obvious to include in the reference of Eglit and modify the system of Eglit accordingly, because bus and interface systems are well known in the art.

Art Unit: 2714

*Conclusion*

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

A) Anderson et al., U.S. Pat. No. 5,991,465 discloses modular digital image processing via an image processing chain with modifiable parameter controls.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Paulos Natnael** whose telephone number is **(703) 305-0019**. The examiner can normally be reached on **Monday through Thursday** from **8:00 a. M. to 5:00 p.m.** The examiner can also be reached on alternate **Fridays**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **John Peng**, can be reached on **(703) 305-4702**.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is **(703) 305-3900**.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231



Art Unit: 2714

**or faxed to:**

(703) 308-6306, (for formal communications intended for entry)

**or:**

(703) 308-6296 (for informal or draft communications, please label "PROPOSED" OR "DRAFT").

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, V.A. Sixth Floor (Receptionist).

**Paulos M. Natnael**

February 25, 2000

A handwritten signature in black ink, appearing to read 'John K. Peng', with a long horizontal line extending to the right.

**JOHN K. PENG  
SUPERVISORY PATENT EXAMINER  
GROUP 2700**